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CLAIMS

1. A recording apparatus for recording motion image data onto a disc-like recording medium, comprising:

5   file generating means for forming the motion image data into a file according to a procedure relating to QuickTime file format; and

recording means for effecting recording as to the file generated by the file generating means, to

10   record data unit including reference information included in the file in a first recording area on the disc-like recording medium and data unit including video data included in the file in a second recording area on the disc-like recording medium.

15   2. An apparatus according to claim 1, wherein the recording means records the data unit including the reference information in the first recording area capable of high speed access on the disc-like recording medium, and the data unit

20   including the video data into the second recording area having a slower access speed than the first recording area.

3. An apparatus according to claim 2, wherein the recording means is arranged so that the

25   first recording area is disposed on an inner peripheral portion of the disc-like recording medium while the second recording area is disposed on an

outer peripheral portion of the disc-like recording medium.

4. An apparatus according to claim 1, wherein the recording means distinguishes between the

5 first recording area and the second recording area by recording an area file for securing a recording area on the disc-like recording medium.

5. An apparatus according to claim 1, wherein the data unit including the reference

10 information is "movie" file which is specified by QuickTime while the data unit including the video data is "media data" file which is specified by QuickTime.

6. An apparatus according to claim 1, further

15 comprising:

imaging means for generating the motion image data by photographing operation, wherein the file generating means carries out forming of the motion image data generated by the imaging means into a file

20 in parallel to the photographing operation, and the recording means records the file generated by the file generating means on the disc-like recording medium.

7. An apparatus according to claim 6, further

25 comprising:

compressing means for compressing the information amount of the motion image data picked up

by the imaging means, wherein the file generating

means forms the motion image data compressed by the

compressing means into a file according to the

procedure relating to the QuickTime file format.

5   8. An apparatus according to claim 6, further

comprising:

a memory for storing the data unit including

the reference information, wherein the file

generating means carries out forming of the motion

10   image data generated by the imaging means into a file

in parallel to the photographing operation, outputs

the data unit including the reference information

included in the file to the memory which stores it,

and outputs the data unit including the video data

15   included in the file to the recording means, and

wherein the recording means records the data

unit including the video data on the disc-like

recording medium and after recording of the data unit

including the video data ends, reads out the data

20   unit including the reference information stored in

the memory and records it on the disc-like recording

medium.

9. A recording/reproducing apparatus for

recording/reproducing motion image data onto a disc-

25   like recording medium, comprising:

file generating means for forming the motion

image data into a file according to a procedure

relating to QuickTime file format;

recording means for effecting recording as to
the file generated by the file generating means, to
record data unit including reference information

5   included in the file in a first recording area on the
disc-like recording medium and data unit including
video data included in the file in a second recording
area on the disc-like recording medium; and

reproducing means for reading out a file

10   recorded on the disc-like recording medium by the
recording means from the first recording area and the
second recording area to reproduce the file.

10. A recording method for recording motion
image data onto a disc-like recording medium,

15   comprising the steps of:

generating a file so that the motion image data
is formed into a file according to a procedure
relating to QuickTime file format; and

effecting recording as to the file generated in

20   the file generating step, to record data unit
including reference information included in the file
in a first recording area in the disc-like recording
medium, and data unit including video data included
in the file in a second recording area in the disc-

25   like recording medium.

11. A recording/reproducing method for
recording/reproducing motion image data onto a disc-

like recording medium, comprising the steps of:

generating a file so that the motion image data is formed into a file according to a procedure relating to QuickTime file format;

5   effecting recording so that the file generated in the file generating step, to record data unit including reference information included in the file in a first recording area on the disc-like recording medium and data unit including video data included in

10   the file in a second recording area on the disc-like recording medium; and

reproducing a file recorded on the disc-like recording medium in the recording step by reading out the file from the first recording area and the second

15   recording area.

12. A program to be executed by a computer, comprising:

a file generating step of generating a file so that the motion image data is formed into a file

20   according to a procedure relating to QuickTime file format; and

a recording-controlling step of effecting recording as to the file generated in the file generating step so that data unit including reference

25   information included in the file is recorded in a first recording area on the disc-like recording medium and data unit including video data included in

the file is recorded in a second recording area on
the disc-like recording medium.

13. A storage medium for storing the program to
be executed by a computer, said program comprising:

5   a file generating step of generating a file so
that the motion image data is formed into a file
according to a procedure relating to QuickTime file
format; and

        a recording-controlling step of effecting

10   recording as to the file generated in the file
generating step so that data unit including reference
information included in the file is recorded in a
first recording area on the disc-like recording
medium and data unit including video data included in

15   the file is recorded in a second recording area on
the disc-like recording medium.